



**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q65258

Sei HIRADE

Appln. No.: 09/895,320

Group Art Unit: 2661

Confirmation No.: 6653

Examiner: Not Yet Assigned

Filed: July 2, 2001

For: IMPROVEMENT OF METHOD OF DETECTING PATH TIMINGS AND CDMA  
RECEIVING APPARATUS USING THE SAME

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. International Publication No. WO00/04648, published January 27, 2000
2. European Patent Publication No. EP0877493, published November 11, 1998
3. Fukumoto, S et al: "Matched Filter-Based RAKE Combiner for Wideband DS-CDMA Mobile Radio"; IEICE Transactions on Communications, Inst. Of Electronics Information and Comm. Eng. Toyko, Japan; Vol. E81-B, No. 7, 1 July 1998 (1998-07-01), pages 1384-1390
4. Miyatani T et al: "A Reduced-Complexity Path Timing Detection Method for DS-CDMA"; Universal Personal Communications, 1998. ICUPC '98. IEEE 1998 International Conference on Florence, Italy 5-9 Oct. 1998, New York, NY, USA, IEEE, US, 5 October 1998 (1998-10-05), pages 357-361

INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 09/895,320

Atty. Docket No. Q65258

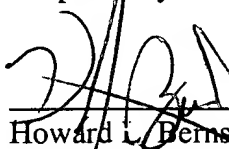
One copy of each of the listed documents is submitted herewith, along with a copy of the corresponding European Search Report, dated November 3, 2004, issued in the corresponding European Patent Application.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
Howard L. Bernstein  
Registration No. 25,665

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: January 26, 2005

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

**Complete if Known**

Application Number	09/895,320
Confirmation Number	6653
Filing Date	July 2, 2001
First Named Inventor	Sei HIRADE
Art Unit	2661
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q65258

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>3</sup> (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		WO	00/04648	A1	01-27-2000	Telefonaktiebolaget LM Ericsson	N/A
		EP	0877493	A2	11-11-1998	NEC Corporation	N/A

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		FUKIMOTO S ET AL: "Matched Filter-Based RAKE Combiner for Wideband DS-CDMA Mobile Radio" IEICE Transactions on Communications, Inst. of Electronics Information and Comm. Eng. Tokyo, Japan Vol. E81-B, NO. 7, 1 July 1998 (1998-07-01), pages 1384-1390	N/A
		MIYATANI T ET AL: "A Reduced-Complexity Path Timing Detection Method for DS-CDMA" Universal Personal Communications, 1998. ICUPC '98. IEEE 1998 International Conference on Florence, Italy 5-9 Oct. 1998, New York, NY, USA, IEEE, US, 5 October 1998 (1998-10-05), pages 357-361	N/A

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.